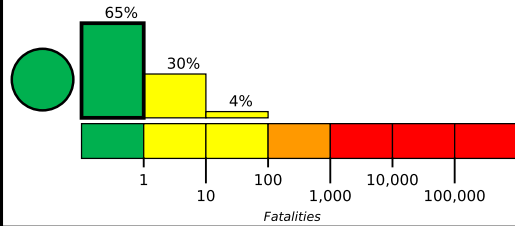


M 5.7, 12 km SW of Samborondn, Ecuador

Origin Time: 2022-07-14 22:30:12 UTC (Thu 17:30:12 local)
Location: 2.0402° S 79.8105° W Depth: 73.0 km

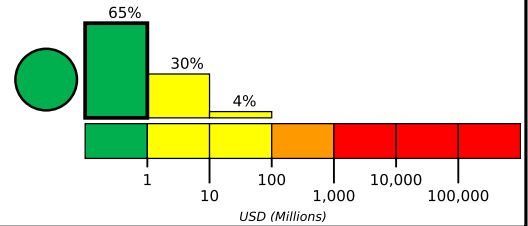
Created: 1 day, 0 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

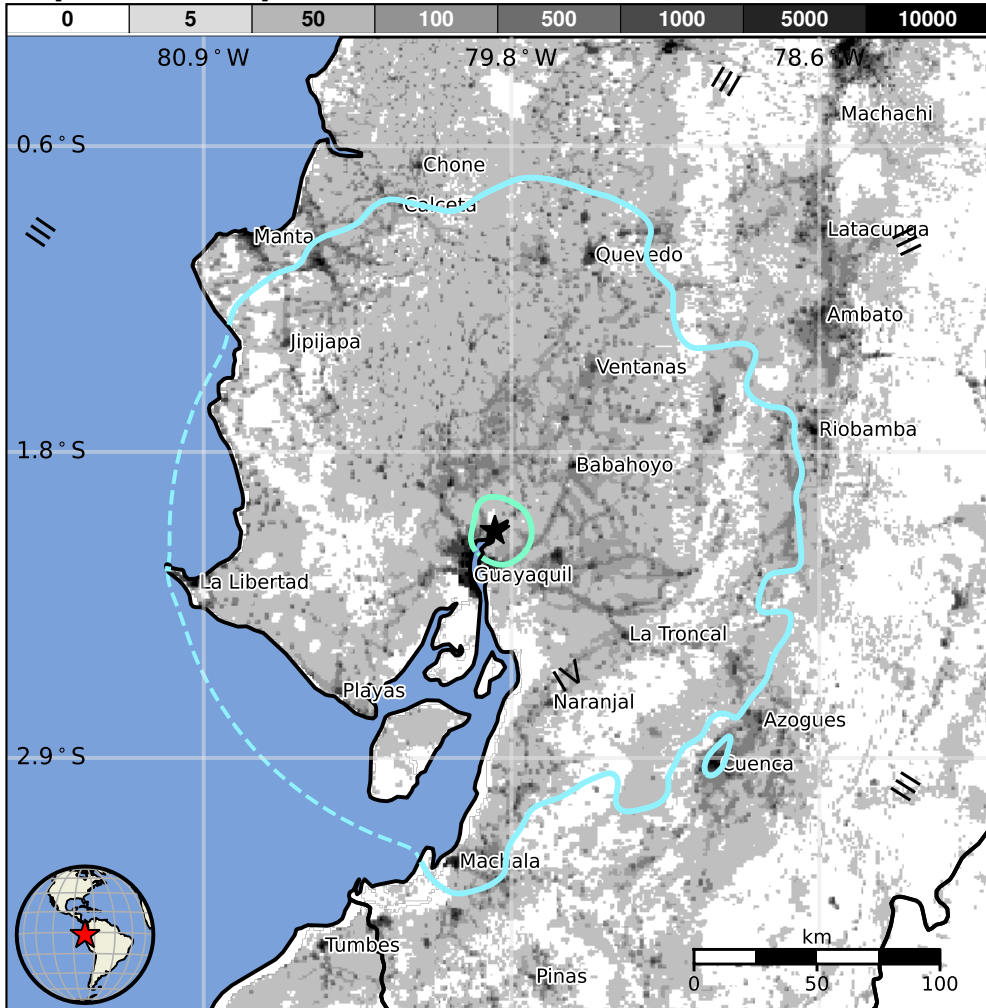


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	4,938k*	7,066k	1,355k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-09-20	79	5.5	VI(99k)	1
1987-09-22	228	6.3	VI(53k)	2
1987-03-06	326	7.1	IX(2k)	1k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Palestina	9k
IV	Eloy Alfaro	168k
IV	Yaguachi Nuevo	28k
IV	Samborondn	24k
IV	Guayaquil	1,952k
IV	El Triunfo	32k
IV	Machala	198k
IV	Portoviejo	170k
IV	Cuenca	277k
III	Santo Domingo de los Colorados	200k
III	Quito	1,400k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000i2j3#pager>

bold cities appear on map.

(k = x1000)

Event ID: us6000i2j3